

# High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Education

Pathway: Heavy Duty Diesel

Region: Mountainland	District:	School:	<b>College/Institution: Utah Valley State College</b> Articulation Agreement in place? Yes <b>Name of Degree or Certificate: AAS Diesel Mechanics</b> <b>(64 Credits Required)</b>
Contact Person: Lisa Birch		Ph.#: 801.492.2900	
E-mail: lisa.birch@mountainlandatc.org		Date: 04/2007	

High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
ENGL	ENGLISH			ENGL	ENGLISH	3
				ENGL1060	Career Writing for Technology	
MATH	MATHEMATICS		3	MATH	MATHEMATICS	3
				AUT1260 or	Tech Math for Mechanics	
				MAT1000	Integrated Beginning and Intermediate Algebra (5.0)	
→	Any math course higher than MAT1000			→	Or any higher math course	
	<b>HUMANITIES/FINE ARTS/FOREIGN LANGUAGE</b> Complete one course from the following:		3		<b>HUMANITIES/FINE ARTS/FOREIGN LANGUAGE</b> Complete one course from the following	3
HUM1010	Humanities * **	1		HUM1010	Humanities Through the Arts	
COMM1020	Public Speaking **	1		COM1020	Public Speaking	
ART1010	Art/Art Foundations *	1		ART1010	Introduction to Visual Arts	
50.0406	Commercial Photo	.5		ART1050	Photography I	
ART1110	AP Drawing *	1		ART1110	Drawing I	
ART1340	3-D Design II *	1		ART1340	Sculpture I	
ART1350	Ceramics II *	1		ART1350	Ceramics I	
ARTH2720	Art History *	1		ARTH2720	History of Art from the Renaissance	
MUSC1010	Music Appreciation *	1		MUSC1010	Introduction to Music	
THEA1013	Introduction to Theater **	1		THEA1013	Introduction to Theater	
THEA1023	Film/Video Production I or II *	1		THEA1023	Introduction to Film	
				→	Any other approved Humanities/Fine Arts/Foreign Language distribution course	
	<b>SOCIAL/BEHAVIORAL SCIENCE</b> Complete one course from the following		3		<b>SOCIAL/BEHAVIORAL SCIENCE</b> Complete one course from the following	3

GEOG1300	Survey of World Geography **	1		GEOG1300	Survey of World Geography	
HIST1100	History of Civilization *	1		HIST1100	History of Civilization I	
HIST1700	AP US History *	1		HIST1700	American Civilization	
52.0211	Business Management *	.5		MGMT1010	Introduction to Business	
MGMT2020	Macroeconomics **	.5		MGMT2020	Macroeconomics	
POLS1100	American National Government **	1		POLS1100	American National Government	
PSY1010	AP Psychology * Gen. Psych. **	1		PSY1010	General Psychology	
SOC1010	Sociology * Intro to Sociology **	1		SOC1010	Introduction to Sociology	
				→	Any other approved Social/Behavioral Science distribution course	
	<b>BIOLOGY/PHYSICAL SCIENCE</b> Complete one course from the following		<b>3</b>		<b>BIOLOGY/PHYSICAL SCIENCE</b> Complete one course from the following	<b>3</b>
BIOL1010	AP Biology * Gen. Biology **	1		BIOL1010	General Biology	
GEO1010	Geology * Intro. To Geology **	1		GEO1010	Introduction to Geology	
PHYS1010	Physics Honors/Engr. I *	1		PHYS1010	Elementary Physics	
PHYS1040	Astronomy *	1		PHYS1040	Elementary Astronomy	
				→	Any other approved Biology/Physical Science distribution course	
	<b>PHYSICAL ED./HEALTH/SAFETY OR ENVIRONMENT</b> Complete one course from the following		<b>1</b>		<b>PHYSICAL ED./HEALTH/SAFETY OR ENVIRONMENT</b> Complete one course from the following	<b>1</b>
HLTH1100	Personal Health & Wellness **	1		HLTH1100	Personal Health & Wellness	
				→	Any other approved Physical Ed./Heath/Safety or Environment distribution course	

**Note:** This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** \*= concurrent ^= distant

# High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Sciences

Pathway: Heavy Duty Diesel

High School				College		
Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
<b>Course#</b>	<b>Foundation Courses: (required)</b>	<b>Credit</b>				
47.0605	Heavy Duty Mechanics/Diesel	1.00				
<b>Course #</b>	<b>Elective Courses:</b>	<b>Credit</b>				
47.0105	Electronics I	1.00				
47.0604	Automotive Service Technology	1.00				
47.0606	<b>Small Vehicle Technician</b>	1.00				
32.0199	Student Internship (Critical Workplace Skills)	.50				
				DMT1110	Diesel Engine Overhaul	6
				DMT1120	Diesel Engine Operation/Tune Up	6
				DMT1510	Electrical Systems	6
				DMT1520	Engine Electronics & Diagnostics	6
				DMT2310	Fluid Power Theory and Lab	6
				DMT2320	Fluid Power Transmission Theory and Lab	6
				DMT2410	Chassis Theory and Lab	6
				DMT2420	Power Trains Theory and Lab	6
<b>TOTAL Potential Credits Earned in High School</b>			<b>13</b>	<b>TOTAL Credits Required for Degree or Certificate</b>		<b>64</b>

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